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BIOTECHNOLOGY
SYSTEMS
BRANCH

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/680,800
Source: OIPE
Date Processed by STIC: 10-24-03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
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2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE USE THE CHECKER VERSION 4.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**>, **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry directly to (EFFECTIVE 12/01/2003):**
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Revised 10/08/2003

IFWO

```
                    RAW SEQUENCE LISTING                     DATE: 10/24/2003
                    PATENT APPLICATION:  US/10/680,800       TIME: 09:28:13

                    Input Set : A:\pto.pg.txt
                    Output Set: N:\CRF4\10242003\J680800.raw

      4 <110> APPLICANT: THOMPSON, PENNY J.
      5             LEWIS, KATHERINE E.
      6             GARCIA, RICHARD M.
      7             WEST, ROBERT R.
      8             SHEPPARD, PAUL O.
      9             JASPERS, STEPHEN R.
     10             WOLF, ANITRA
     11             HOLDERMAN, SUSAN D.
     12             CHAN, CHUNG
     15 <120> TITLE OF INVENTION: Uses of Human Zven Proteins and
     16             Polynucleotides
     18 <130> FILE REFERENCE: 02-20
C--> 20 <140> CURRENT APPLICATION NUMBER: US/10/680,800
C--> 20 <141> CURRENT FILING DATE: 2003-10-07
     20 <150> PRIOR APPLICATION NUMBER: 60/416,719
     21 <151> PRIOR FILING DATE: 2002-10-07
     23 <150> PRIOR APPLICATION NUMBER: 60/416,718
     24 <151> PRIOR FILING DATE: 2002-10-07
     26 <150> PRIOR APPLICATION NUMBER: 60/434,116
     27 <151> PRIOR FILING DATE: 2002-12-16
     29 <150> PRIOR APPLICATION NUMBER: 60/433,918
     30 <151> PRIOR FILING DATE: 2002-12-16
     32 <150> PRIOR APPLICATION NUMBER: to be determined
     33 <151> PRIOR FILING DATE: 2003-10-03
W--> 35 <150> PRIOR APPLICATION NO: to be determined
     36 <151> PRIOR FILING DATE: 2003-10-03
     38 <160> NUMBER OF SEQ ID NOS: 29
     40 <170> SOFTWARE: FastSEQ for Windows Version 4.0
```

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

```
     102 <210> SEQ ID NO: 2
     103 <211> LENGTH: 108
     104 <212> TYPE: PRT
     105 <213> ORGANISM: Homo sapiens
     107 <400> SEQUENCE: 2
     108 Met Arg Ser Leu Cys Cys Ala Pro Leu Leu Leu Leu Leu Leu Leu Pro
     109  1               5                  10                  15
     110 Pro Leu Leu Leu Thr Pro Arg Ala Gly Asp Ala Ala Val Ile Thr Gly
     111             20                  25                  30
     112 Ala Cys Asp Lys Asp Ser Gln Cys Gly Gly Gly Met Cys Cys Ala Val
     113         35                  40                  45
```

```
                 RAW SEQUENCE LISTING                    DATE: 10/24/2003
                 PATENT APPLICATION:  US/10/680,800      TIME: 09:28:13

                 Input Set : A:\pto.pg.txt
                 Output Set: N:\CRF4\10242003\J680800.raw

      114 Ser Ile Trp Val Lys Ser Ile Arg Ile Cys Thr Pro Met Gly Lys Leu
      115     50                  55                  60
      116 Gly Asp Ser Cys His Pro Leu Thr Arg Lys Val Pro Phe Phe Gly Arg
      117 65                  70                  75                  80
      118 Arg Met His His Thr Cys Pro Cys Leu Pro Gly Leu Ala Cys Leu Arg
      119                 85                  90                  95
      120 Thr Ser Phe Asn Arg Phe Ile Cys Leu Ala Gln Lys
      121             100                 105             <210>  3
      122 <211> LENGTH: 324
      123 <212> TYPE: DNA
      124 <213> ORGANISM: Artificial Sequence
```

Insert hard return
Format problem

```
      126 <220> FEATURE:
      127 <223> OTHER INFORMATION: This degenerate sequence encodes the amino acid
      128       sequence of SEQ ID NO:2.
W--> 130 <221> NAME/KEY: misc_feature
      131 <222> LOCATION: (1)...(324)
      132 <223> OTHER INFORMATION: n = A,T,C or G
 --> 134 <210> SEQ ID NO:
W--> 134 <400> 3
W--> 135 atgmgnwsny tntgytgygc nccnytnytn ytnytnytny tnytnccncc nytnytnytn       60
      136 acnccnmgng cnggngaygc ngcngtnath acnggngcnt gygayaarga ywsncartgy      120
      137 ggnggnggna tgtgytgygc ngtnwsnath tgggtnaarw snathmgnat htgyacnccn      180
      138 atgggnaary tnggngayws ntgycayccn ytnacnmgna argtnccntt yttyggnmgn      240
      139 mgnatgcayc ayacntgycc ntgyytnccn ggnytngcnt gyytnmgnac nwsnttyaay      300
      140 mgnttyatht gyytngcnca raar                                           324
```

Ignore

```
 --> 142 <210> SEQ ID NO: 4
      203 <210> SEQ ID NO: 5
      204 <211> LENGTH: 105
      205 <212> TYPE: PRT
      206 <213> ORGANISM: Homo sapiens
      208 <400> SEQUENCE: 5
      209 Met Arg Gly Ala Thr Arg Val Ser Ile Met Leu Leu Leu Val Thr Val
      210  1              5                  10                  15
      211 Ser Asp Cys Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Val Gln Cys
      212             20                  25                  30
      213 Gly Ala Gly Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg
      214         35                  40                  45
      215 Met Cys Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser
      216     50                  55                  60
      217 His Lys Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys
      218 65                  70                  75                  80
      219 Leu Pro Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys
      220                 85                  90                  95
      221 Ser Met Asp Leu Lys Asn Ile Asn Phe
      222             100                 105 <210>  6
      223 <211> LENGTH: 315
      224 <212> TYPE: DNA
      225 <213> ORGANISM: Artificial Sequence
      227 <220> FEATURE:
```

Ignore

same

```
                    RAW SEQUENCE LISTING                    DATE: 10/24/2003
                    PATENT APPLICATION:  US/10/680,800      TIME: 09:28:13

                    Input Set : A:\pto.pg.txt
                    Output Set: N:\CRF4\10242003\J680800.raw

      228 <223> OTHER INFORMATION: This degenerate sequence encodes the amino acid
      229       sequence of SEQ ID NO:5.
W--> 231 <221> NAME/KEY: misc_feature
      232 <222> LOCATION: (1)...(315)
      233 <223> OTHER INFORMATION: n = A,T,C or G
E--> 235 <210> SEQ ID NO:
W--> 235 <400> 6
W--> 236 atgmgnggng cnacnmgngt nwsnathatg ytnytnytng tnacngtnws ngaytgygcn      60
      237 gtnathacng gngcntgyga rmgngaygtn cartgyggng cnggnacntg ytgygcnath     120
      238 wsnytntggy tnmgnggnyt nmgnatgtgy acnccnytnq gnmgngargg ngargartgy     180
      239 cayccnggnw sncayaargt nccnttytty mgnaarmgna arcaycayac ntgyccntgy     240
      240 ytnccnaayy tnytntgyws nmgnttyccn gayggnmgnt aymgntgyws natggayytn     300
      241 aaraayatha aytty                                                     315
E--> 243 <210> SEQ ID NO: 7
      244 <211> LENGTH: 16
      245 <212> TYPE: PRT
C--> 246 <213> ORGANISM: Arificial Sequence
      248 <220> FEATURE:
      249 <223> OTHER INFORMATION: Peptide linker.
      251 <400> SEQUENCE: 7
      252 Gly Gly Ser Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
      253  1               5                   10                  15      <210>   8
      254 <211> LENGTH: 10
      255 <212> TYPE: PRT
      256 <213> ORGANISM: Artificial Sequence
      258 <220> FEATURE:
      259 <223> OTHER INFORMATION: Motif.
W--> 261 <221> NAME/KEY: VARIANT
      262 <222> LOCATION: (8)...(8)
      263 <223> OTHER INFORMATION: Xaa is Asp or Glu.
W--> 265 <221> VARIANT
      266 <222> LOCATION: (9)...(9)
      267 <223> OTHER INFORMATION: Xaa is Lys or Arg.
W--> 269 <221> VARIANT
      270 <222> LOCATION: (1)...(10)
      271 <223> OTHER INFORMATION: Xaa = Any Amino Acid
W--> 273 <221> VARIANT
      274 <222> LOCATION: (1)...(10)
      275 <223> OTHER INFORMATION: Xaa = Any Amino Acid
W--> 277 <221> VARIANT
      278 <222> LOCATION: (1)...(10)
      279 <223> OTHER INFORMATION: Xaa = Any Amino Acid
E--> 281 <210> SEQ ID NO:
W--> 281 <400> 8
W--> 282 Ala Val Ile Thr Gly Ala Cys Xaa Xaa Asp
      283  1               5                   10   <210>  9
      284 <211> LENGTH: 23
      285 <212> TYPE: PRT
      286 <213> ORGANISM: Artificial Sequence
```

Ignore

Ignore

same

Ignore

same error

```
                    RAW SEQUENCE LISTING                     DATE: 10/24/2003
                    PATENT APPLICATION:  US/10/680,800       TIME: 09:28:14

                    Input Set : A:\pto.pg.txt
                    Output Set: N:\CRF4\10242003\J680800.raw

      288 <220> FEATURE:
      289 <223> OTHER INFORMATION: Motif.
W--> 291 <221> NAME/KEY: VARIANT
      292 <222> LOCATION: (4)...(4)
      293 <223> OTHER INFORMATION: Xaa is Gly or Leu.
W--> 295 <221> VARIANT
      296 <222> LOCATION: (5)...(5)
      297 <223> OTHER INFORMATION: Xaa is Ser or Thr.
W--> 299 <221> VARIANT
      300 <222> LOCATION: (6)...(6)
      301 <223> OTHER INFORMATION: Xaa is His or Arg.
W--> 303 <221> VARIANT
      304 <222> LOCATION: (12)...(12)
      305 <223> OTHER INFORMATION: Xaa is any amino acid.
W--> 307 <221> VARIANT
      308 <222> LOCATION: (13)...(13)
      309 <223> OTHER INFORMATION: Xaa is Lys or Arg.
W--> 311 <221> VARIANT
 Ignore 312 <222> LOCATION: (15)...(15)
      313 <223> OTHER INFORMATION: Xaa is any amino acid.
E--> 315 <210> SEQ ID NO:
W--> 315 <400> 9
      316 Cys His Pro Xaa Xaa Xaa Lys Val Pro Phe Phe Xaa Xaa Arg Xaa His
      317  1               5                  10                  15
      318 His Thr Cys Pro Cys Leu Pro
      319             20               /<210>  10
      320 <211> LENGTH: 6             same
      321 <212> TYPE: PRT
      322 <213> ORGANISM: Artificial Sequence
 Ignore 324 <220> FEATURE:
      325 <223> OTHER INFORMATION: Glu-Glu tag
E--> 327 <210> SEQ ID NO:
E--> 327 <400> SEQUENCE: 10
      328 Glu Tyr Met Pro Met Glu
 Ignore 329  1               5
E--> 331 <210> SEQ ID NO: 11
```

```
                    VERIFICATION SUMMARY                   DATE: 10/24/2003
                    PATENT APPLICATION:  US/10/680,800     TIME: 09:28:15

                    Input Set : A:\pto.pg.txt
                    Output Set: N:\CRF4\10242003\J680800.raw

L:20 M:270 C: Current Application Number differs, Replaced Current Application No
L:20 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:35 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER
L:130 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:134 M:282 E: Numeric Field Identifier Missing, <210> is required.
L:134 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:134 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:2 differs:3
L:135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
M:341 Repeated in SeqNo=2
L:142 M:214 E: (33) Seq.# missing, SEQ ID NO:3
L:231 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:235 M:282 E: Numeric Field Identifier Missing, <210> is required.
L:235 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:235 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:5 differs:6
L:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
M:341 Repeated in SeqNo=5
L:243 M:214 E: (33) Seq.# missing, SEQ ID NO:6
L:246 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
L:261 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:265 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:269 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:273 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:277 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:281 M:282 E: Numeric Field Identifier Missing, <210> is required.
L:281 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:281 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:7 differs:8
L:282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:291 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:295 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:299 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:303 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:307 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:311 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:315 M:282 E: Numeric Field Identifier Missing, <210> is required.
L:315 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:315 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:7 differs:9
M:341 Repeated in SeqNo=7
L:327 M:282 E: Numeric Field Identifier Missing, <210> is required.
L:327 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:7 differs:10
L:331 M:216 E: (34) Seq.#s missing, SEQ ID NOS: 8 thru 10
```